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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			
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Applicant Bossard			
Filing Date 02/02/2004			Group 1724

U. S. PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name		Class	Sub-class	Filing Date If Appropriate
DHS	AA	6	1	5	2	9	8	7	11/28/00	Ma et al.		95	56	
DHS	AB	5	7	3	4	0	9	2	03/31/98	Wang et al.		73	23.25	
DHS	AC	5	6	1	4	0	0	1	03/25/97	Wang-Kosaka et al.		96	10	
DHS	AD	4	6	9	9	6	3	7	10/13/87	Iniotakis et al.		55	158	
	AE													
	AF													
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FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number							Date	Name	Class	Sub-class	Translation		
													Yes	No	
	AL														
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	AN														
	AO														
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

DHS	AR		U.S. Pat App Pub No. 2003/0190486 to Roa, filed 04/03/2003
DHS	AS		See Attached List of Professional Papers (11) references
	AT		

Examiner Robert H. Spitzer	Date Considered December 13, 2004
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



101770, 732

RHS (1) Nanostructured thin palladium-silver membranes:
Effects of grain size on gas permeation properties
A. McCool, Y. S. Lin*
Department of Chemical Engineering, University of Cincinnati
Cincinnati, OH 45221-0171, USA
E-mail. Jlin@alpha.che.uc.edu

RHS (2) A study on the palladium/nickel composite membrane by vacuum electrodeposition
Seung-Eun Nam, Kew-Ho Lee *
Membranes and Separation Research Center, Korea Research Institute of Chemical Technology, P.O. Box 107,
Yusung, Taejon 305-606, South Korea
Received 1 June 1999; received in revised form 28 September 1999,
accepted 15 November 1999

RHS (3) Preparation of a palladium alloy composite membrane supported in a porous stainless steel by vacuum electrodeposition
Seung-Eun Nam, Sang-Hak Lee, Kew-Ho Lee*
Membranes and Separation Center Korea Research Institute of Chemical Technology
PO Box 107, Yusung, Taejon 305-606, South Korea
Received 26 March 1998; received in revised form 26 March 1998; accepted 29 July 1998

RHS (4) Defect-Free. Palladium Membranes on Porous Stainless-Steel Support
Peter P. Mardilovich, Ying She, and Yi Hua Ma
Dept. of Chemical Engineering, Worcester Polytechnic Institute
Worcester, MA 01609
Min-Hon Rei, China Technical Consulting, Inc., Taipei, Taiwan, R.O.C.

RHS (5) Fabrication of thin metallic membranes by MOCVD and sputtering
George Xomeritakis, Y.S. Lin*
Department of Chemical Engineering, University of Cincinnati
Cincinnati, OH 45221-0171, USA
Received 15 January 1997; received in revised form 31 March 1997; accepted 2 April 1997

RHS (6) Structurally stable composite Pd-Ag alloy membranes:
Introduction of a diffusion barrier
J. Shu, A. Adnot, B.P.A. Grandjean *, S. Kaliaguine
Department of Chemical Engineering and CERPIC, Laval University
Quebec G1K 7P4, Canada
Received 26 July 1995; accepted 4 January 1996

RHS (7) The relationship between intermetallic diffusion and
David J. Edlund , Jack McCarthy b
'Bend Research, Inc., 64550 Research Road, Bend, OR 97701-8599, USA
b Oregon Graduate Institute, P.O. Box 91000, Portland, OR 97291-1000, USA
H. Zuchner, HA. Schluter T. Rauf, and R. Hergemoller
Institut fur Physikalische Chemie der Universitat Munster, SchloBplatz 4, W-4000
Munster

RHS (8) Synthesis and hydrogen permeation properties of ultrathin
palladium - silver alloy membranes
V. Jayaraman, Y.S. Lin *
Department of Chemical Engineering, University of Cincinnati
Cincinnati. OH 45221-0171, USA
Received 12 September 1994; accepted in revised form 6 February 1995

RHS (9) Nanostructured palladium membrane synthesis by magnetron sputtering
Kenneth J. Bryden, Jackie Y. Ying*
Department of Chemical Engineering, Massachusetts Institute of Technology,
Cambridge, MA 02139, USA
Received 11 January 1995; accepted 3 April 1995

RHS (10) Properties of Thin Palladium-Films and Their Hydrogen-Permeability
H. Zuchner, HA. Schluter T. Rauf, and R. Hergemoller
Institut fur Physikalische Chemie der Universitat Munster, SchloBplatz 4, W-4000
Munster

RHS (11) Morphological changes of Pd-Ag membranes upon hydrogen permeation
JOURNAL OF MATERIALS SCIENCE LETTERS 16 (1997) 294--297
J. SHU, B. E. W. BONGONDO, B. P. A. GRANDJEAN, S. KALIAGUINE
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